

ABSTRACT OF THE DISCLOSURE

A gas turbine comprising a compressor, combustor and turbine further comprises (1) a cooling air system  
5 for supplying part of air compressed by a compressor to the high temperature section of the turbine, (2) a heater exchanger for exchanging heat of part of air compressed by the compressor, this heater being mounted on the cooling air system, and (3) a system  
10 for adjusting the air temperature downstream from the heater exchanger in conformity to the operation period of the turbine.